① Write an explicit equation for each table and use your equation to find the 20th and 100th

(a)

x	y
1	7
2	12
3	17
20	102
100	502

$5x+2=y$

$5\times20=100+2=102$

$5\times100=500+2=502$

(b)

0 = 14
1 = 10

x	y
2	6 (-4)
3	2 (-4)
4	-2
20	-66
100	-386

$y=-4x+14$

② Solve for x

(a) $3(x+4)-8=15$

23

$23\div3=7.66$

$-\quad 4$

$x=3.66$

(b) $\frac{x+8}{4}-2=11$

11

+2

13

×4

52

-8

44 = x

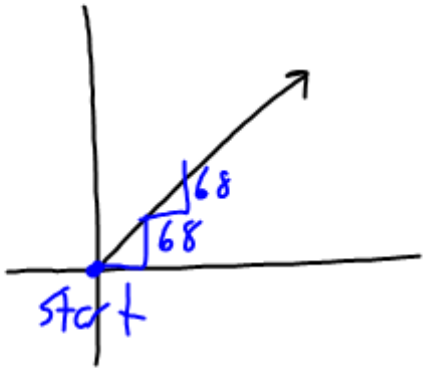
4.4 Yesterday's classwork

#7

(a) Recursive: start 0, add 68 → explicit $y = 68x + 0$

$y = x + 68$

(b)



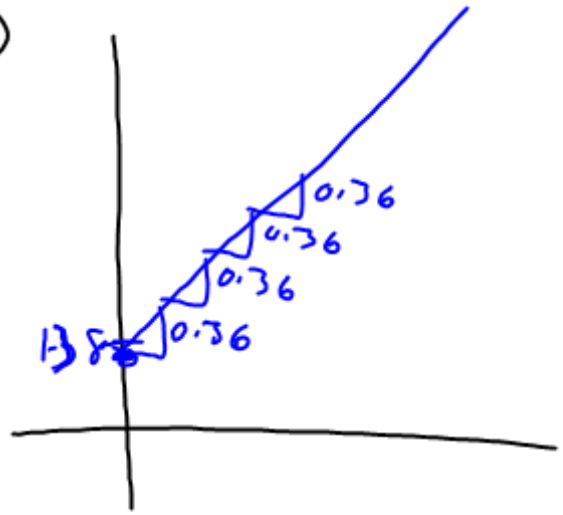
(f) after 2.53 hours, 100 miles away (was 272 total)

(g) 4 hrs. to get here

(8) (a) start* 1.38, add 0.36 explicit $y = 0.36x + 1.38$

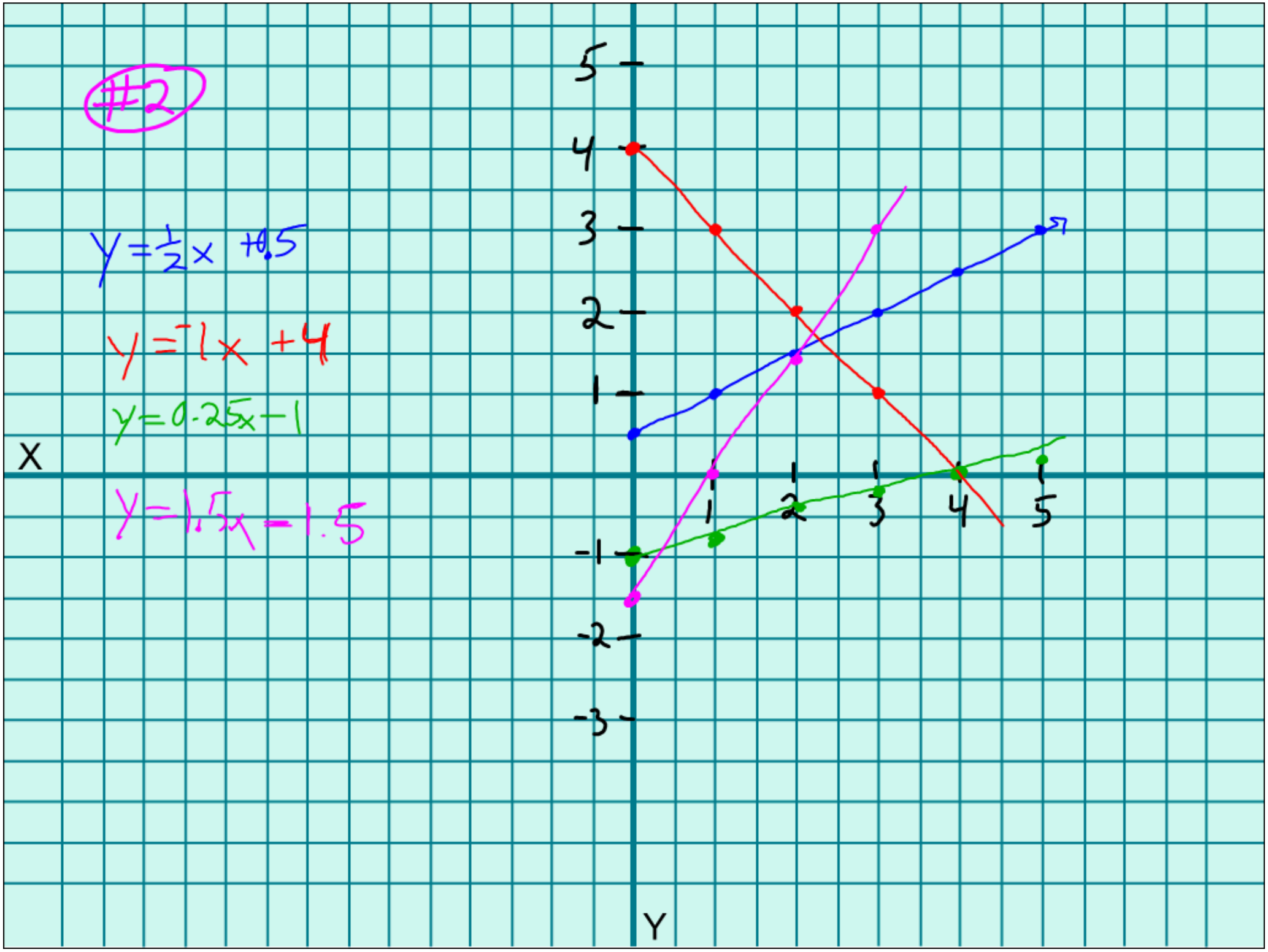
7-min call = $3.54*

(b)



(10)

Tiles	△	▱	⬠	⬡
1	3	4	5	6
2	4	6	8	10
3	5	8	11	14
4	6	10	14	18
⋮	⋮	⋮	⋮	⋮
10	12	22	32	42
	$y=1x+2$	$y=2x+2$	$y=3x+2$	$y=4x+2$


#2
y = ½x + 0.5
y = -1x + 4
y = 0.25x - 1
y = 1.5x - 1.5
X
Y
5
4
3
2
1
-1
-2
-3
1
2
3
4
5

(5) $\frac{4-5(x+3)}{6}=12$

x	12
$+3$	$\cdot 6$
$\cdot -5$	-4
$+4$	$\div -5$
$\div 6$	$+3$
$=12$	$x=-16.\overline{6}$

(12) $\frac{5.4+3.2(x-2.8)}{1.2}-2.3=3.8$

Try this one

$=3.4$

P. 88 #4, 5a, c

HW 4.6 #1, 2, 4, 9